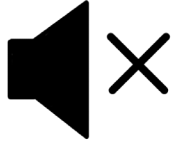


IICS Assurance Package

Rengarajan

Housekeeping Tips



- Today's Webinar is scheduled for **1 hour**
- The session will include a webcast and then your questions will be answered live at the end of the presentation
- All dial-in participants will be muted to enable the speakers to present without interruption
- Questions can be submitted to "All Panelists" via the **Q&A option** and we will respond at the end of the presentation
- The webinar is **being recorded** and will be available on our **INFASupport YouTube channel** and **Success Portal** - where you can download the **slide deck** for the presentation. The link to the recording will be emailed as well.
- Please take time to complete the **post-webinar survey** and provide your feedback and suggestions for upcoming topics.

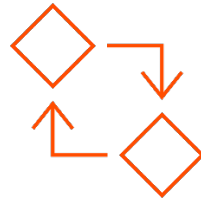
Feature Rich Success Portal



Bootstrap trial and
POC Customers



Enriched Customer
Onboarding
experience



Product Learning
Paths and Weekly
Expert Sessions



Informatica
Concierge



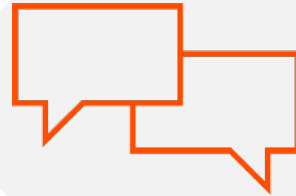
Tailored training and
content
recommendations

More Information



Success Portal

<https://success.informatica.com>



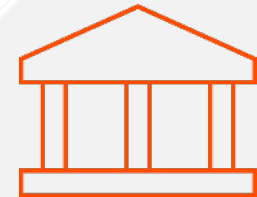
Communities & Support

<https://network.informatica.com>



Documentation

<https://docs.informatica.com>



University

<https://www.informatica.com/in/services-and-training/informatica-university.html>

Safe Harbor

The information being provided today is for informational purposes only. The development, release, and timing of any Informativa product or functionality described today remain at the sole discretion of Informativa and should not be relied upon in making a purchasing decision.

Statements made today are based on currently available information, which is subject to change. Such statements should not be relied upon as a representation, warranty or commitment to deliver specific products or functionality in the future.

Agenda

- ✓ What is Assurance Package ?
- ✓ Use cases & Features
- ✓ Demo
- ✓ Q & A

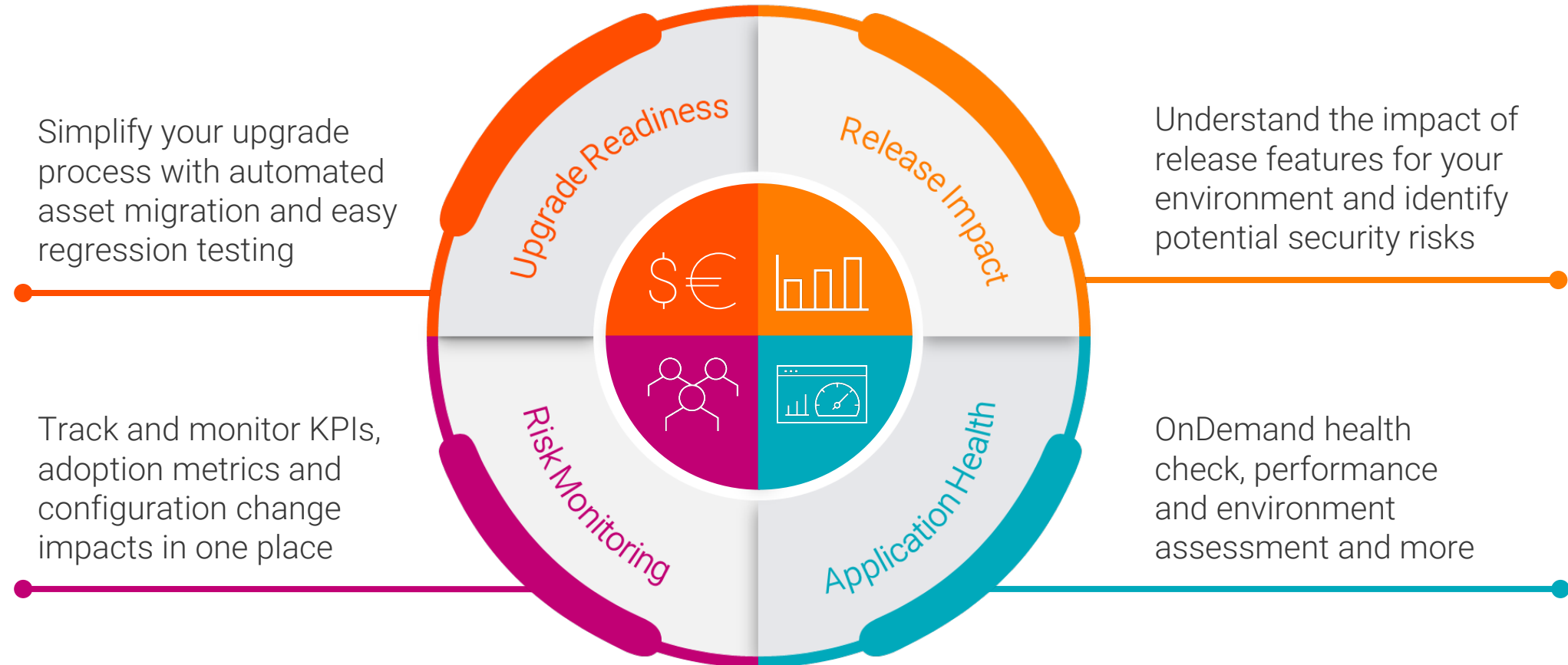
Assurance Package

Lower Risk

Reduce Costs

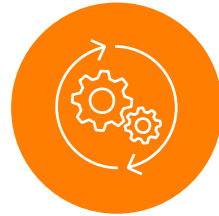
Increase Visibility

Shared Goals



Key Use Cases

DevOps



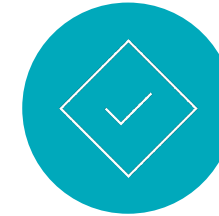
Agile SDLC

Simplify testing/
troubleshooting across IICS
organizations with unified
**asset replication and
configuration sync**



Observability

Track all **configuration
changes** to different assets,
get recommendations for
key changes and
health check



Automation

Be prepared for upgrades with
tailored **impact analysis,**
dedicated pre-release org

Assurance Package

Mitigate Risks | Lower Costs | Increase Visibility

Features



Upgrade
Management

01

Simplify your upgrade process, with separate pre-release sandbox, automated asset migration and easy regression testing



Configuration
Management

02

Keep track of important Informatica configuration changes in one place, how they have changed over time and their impact



Feature Impact

03

Understand the impact of release features for your environment and risk report



Organization
Administration

04

Replication/promote assets to different orgs to keep environment(s) consistent for SDLC



Health
Assessment

05

OnDemand health check, performance and environment assessment and more

Demo



Upgrade Impact & Asset Replication

Replicate assets from one environment to another in a seamless fashion

Why?

Asset replication helps replicating selected assets from one environment to another or setup an entire organization. It enables you to reduce the time needed to move assets selectively for testing during an upgrade or for troubleshooting. Leverage for continuous integration of assets from enabled organizations..

- ✓ Helps with pre-release testing before / during an upgrade by providing an upgrade impact report
- ✓ Setup replication group with critical assets that needs to be tested in a repeatable manner.
- ✓ Avoids creation of unnecessary folders / additional copies of assets for testing.
- ✓ Retain complete visibility into all the assets that has been replicated.

Asset Replication

Simplify upgrade process with a release sandbox

Create one time replication group with critical assets and reuse it

Update all the changed assets in a single click

The screenshot shows the 'Asset Details' page in Informatica. At the top, there's a dropdown menu for 'GCS Pre Release - bkrish_preview'. Below it are tabs for 'Tasks', 'Mapping', 'Schedule', 'Users', and 'Replication Groups'. The 'Tasks' tab is active, showing a list of 310 assets. The table has the following columns: Task Name, Task Type, Project Name, Folder Name, Schedule Name, Last Run, Last Updated, and Replication Status. The first few rows of the table are as follows:

<input type="checkbox"/>	Task Name	Task Type	Project Name	Folder Name	Schedule Name	Last Run	Last Updated	Replication Status
<input type="checkbox"/>	mt_Merlin_Agent_Con...	MT	Merlin	ConfigTracker		Mar 30, 2021 8:23 PM	Mar 29, 2021 9:35 PM	
<input type="checkbox"/>	zz_mt_Merlin_CriticalT...	MT	Merlin	AnomalyDetection		NA	Mar 27, 2021 1:12 AM	
<input checked="" type="checkbox"/>	tf_Merlin_Main	TASKFLOW	Merlin	Taskflows		NA	Mar 26, 2021 3:27 AM	
<input checked="" type="checkbox"/>	tf_Merlin_SnapshotCo...	TASKFLOW	Merlin	Taskflows		NA	Mar 26, 2021 3:26 AM	
<input checked="" type="checkbox"/>	tf_Merlin_ConfigTrack...	TASKFLOW	Merlin	Taskflows		NA	Mar 26, 2021 3:21 AM	
<input checked="" type="checkbox"/>	tf_Merlin_ConfigTracker	TASKFLOW	Merlin	Taskflows		NA	Mar 26, 2021 3:16 AM	
<input checked="" type="checkbox"/>	zz_tf_Merlin_ConfigTr...	TASKFLOW	Merlin	Taskflows		NA	Mar 26, 2021 3:14 AM	
<input checked="" type="checkbox"/>	zz_tf_Merlin_ConfigTr...	TASKFLOW	Merlin	Taskflows		NA	Mar 26, 2021 3:14 AM	
<input checked="" type="checkbox"/>	zz_tf_Merlin_Main_1	TASKFLOW	Merlin	Taskflows		NA	Mar 26, 2021 3:14 AM	
<input type="checkbox"/>	mct_task_connection_...	MT	Default			Mar 26, 2021 2:28 AM	Mar 26, 2021 2:21 AM	
<input type="checkbox"/>	mt_Merlin_IICS_User_...	MT	Merlin	Dev		Mar 26, 2021 12:03 AM	Mar 26, 2021 2:18 AM	
<input type="checkbox"/>	mt_Merlin_ListOrgs	MT	Merlin	Dev		Mar 30, 2021 8:35 PM	Mar 26, 2021 2:17 AM	
<input type="checkbox"/>	mt_Merlin_CAL_Proces...	MT	Merlin	CAI		Mar 26, 2021 12:42 AM	Mar 26, 2021 2:16 AM	
<input type="checkbox"/>	mt_Merlin_CAL_Guide_...	MT	Merlin	CAI		Mar 26, 2021 12:41 AM	Mar 26, 2021 2:16 AM	
<input type="checkbox"/>	mt_Merlin_MappingTa...	MT	Merlin	Dev		Mar 30, 2021 8:22 PM	Mar 23, 2021 10:36 PM	
<input type="checkbox"/>	mt_DRS_Task_Hist	MT	Merlin	ConfigTracker		Mar 30, 2021 8:22 PM	Mar 23, 2021 10:36 PM	
<input type="checkbox"/>	mt_Merlin_Agent_Con...	MT	Merlin	ConfigTracker		Mar 30, 2021 8:25 PM	Mar 23, 2021 10:36 PM	
<input type="checkbox"/>	mt_Merlin_ScheduleDi...	MT	Merlin	ConfigTracker		Mar 30, 2021 8:22 PM	Mar 23, 2021 10:36 PM	

Replicated Assets - Audit

Track replications performed by multiple users

Understand the state of the replication

Replication History

Details (229) Refresh

Start Time	Owner	Organization Name	User Name	Details	Status
▶ March 31, 2021 9:32 AM	sdevi	GCS Cloud India	merlin_chrr	2 ✓ 0 ✗	✓ Success
▶ March 25, 2021 8:21 PM	sdevi	GCS Cloud India	merlin_chrr	1 ✓ 0 ✗	✓ Success
▶ March 25, 2021 5:53 PM	sdevi	GCS Cloud India	merlin_chrr	2 ✓ 0 ✗	✓ Success
▶ March 25, 2021 5:05 PM	sdevi	GCS Cloud India	merlin_chrr	1 ✓ 0 ✗	✓ Success
▶ March 25, 2021 4:47 PM	sdevi	GCS Cloud India	merlin_chrr	1 ✓ 0 ✗	✓ Success
▶ March 24, 2021 11:37 PM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 24, 2021 11:35 PM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 24, 2021 11:25 PM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 24, 2021 11:00 PM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 24, 2021 9:03 PM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 23, 2021 10:43 PM	sdevi	GCS Cloud India	merlin_chrr	1 ✓ 0 ✗	✓ Success
▶ March 23, 2021 10:18 PM	sdevi	GCS Cloud India	merlin_chrr	1 ✓ 0 ✗	✓ Success
▶ March 23, 2021 10:05 PM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 23, 2021 9:56 AM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 23, 2021 7:21 AM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 23, 2021 7:12 AM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 23, 2021 3:29 AM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 23, 2021 3:08 AM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 23, 2021 2:56 AM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed
▶ March 23, 2021 2:51 AM	chores		asharma@infa.com	0 ✓ 1 ✗	✗ Failed

Upgrade Impact

Understand how major upgrades are going to impact your environment.

The screenshot displays the 'Feature Impact for February 2021' dashboard. It includes a sidebar with 'Dashboard' and 'Upgrade Feature...' options. The main content area is divided into two sections: 'Impacted Connectors (5)' and 'Other Features & Enhancements'.

Name	Impact	Severity	Actions
▶ Task using Salesforce connector	11 source connector type 7 target connector type 3 lo...	● moderate	View Tasks
▶ Task using Oracle connector	9 source connector type 7 target connector type 2 loo...	● low	View Tasks
▶ Task using ODBC connector	Not Found	● moderate	View Tasks
▶ Task using Microsoft Azure Data Lake Storage Gen2 con...	Not Found	● moderate	View Tasks
▶ Task using Amazon Redshift v2 connector	511 source connector type 270 target connector type ...	● moderate	View Tasks

Other Features & Enhancements

- Dynamic schema change handling**
Enable dynamic schema change handling in mapping tasks to refresh object schemas every time the task runs. You can enable dynamic schema change handling for source, target, and lookup objects. Enable dynamic schema change handling on the Schedule tab when you configure the task or with the mttask V2 API. For more information about dynamic schema change handling, see Tasks.
- Parameters**
In-out parameters in mapplets
You can use in-out parameters in mapplets.
Parameter file directory
When you use a parameter file in a mapping task, you can include the following DTM SPM variables in the parameter file directory path:
 - SPMRootDir
 - SPMTargetFileDir
 - SPMSourceFileDir
 - SPMLookupFileDir
 - SPMCacheDir
 - SPMSessionLogDir
 - SPMExtProcDir
 - SPMTempDir
- Transformations**
Lookup transformation
Dynamic caching enhancements
You can enable dynamic caching for additional types of lookup sources. For example, you can enable dynamic caching in a cached Lookup transformation that performs a lookup against an Amazon Redshift or a Snowflake source.
Multiple match policy enhancements
You can use the multiple match policies Return first row and Return last row in uncached Lookup transformations that perform lookups against additional types of lookup sources. For example, you can choose Return first row or Return last row in an uncached Lookup transformation that performs a lookup against a Snowflake source.

Change & Configuration Tracking

Single place to understand the changes that are happening in an organization

Why?

Keeps track of all the changes that are happening in an organization, which helps in understanding the frequency of changes to various assets and improves observability for change management.

- ✓ Understanding changes to all assets with history.
- ✓ Identify dependencies that could potentially be affected.
- ✓ Relevant best practice / performance recommendations based on the metadata configurations
- ✓ Quick isolation of errors due to a change in the asset or because of other runtime factors.

Configuration Tracking & Recommendations

Track configuration changes over time.

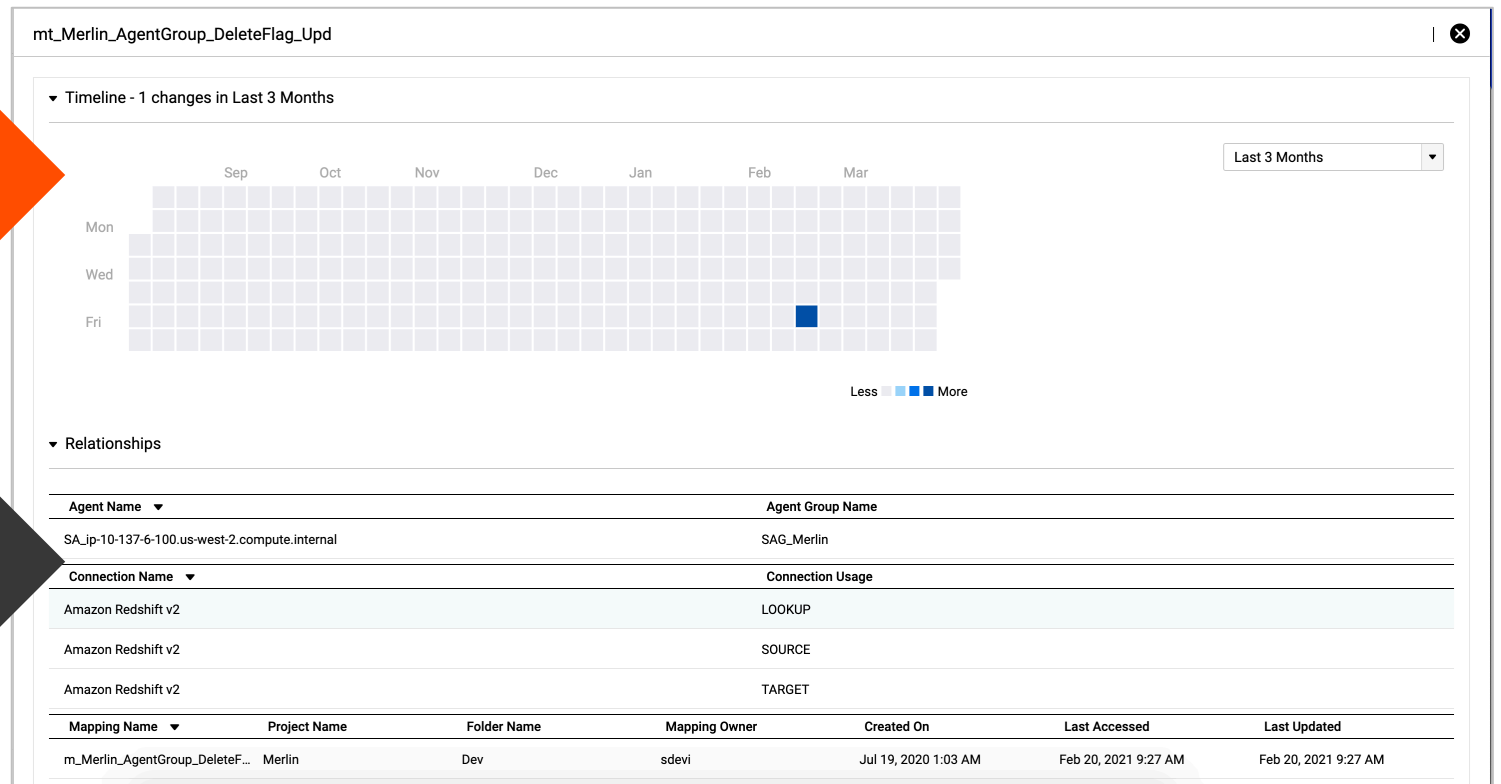
Best practice recommendations based on configuration changes.

The screenshot displays the Configuration Tracker interface. At the top, there are search and filter options: "Enter Asset Name", "Mapping Task", "Select User", and "Last 3 Months". Below this is a "Timeline - 187 changes in Last 3 Months" section, which features a calendar grid from September to March. The grid shows configuration changes as blue squares, with a legend at the bottom right indicating "Less" (light blue) and "More" (dark blue). Below the timeline is an "Activity" section listing recent updates to various mapping tasks, such as "mt_Merlin_Agent_ConfigCustom_CDC" and "zz_mt_Merlin_CriticalTaskList". On the right side, a "Recommendations" panel provides three suggestions for Agent morphtest610, including instructions to set properties like "OdbcDataDirectNonWapi" and "OptimizeOracleSQLServerWrite" to valid values, along with links to Informatica documentation.

Change & Configuration Tracking – Contd.

Drilldown into a particular asset to understand its change timeline

Identify potentially impacted dependencies.



On-demand health check

Perform automated health check on your organization.

Why?

Periodically run health check on your organization, to identify best practices and performance related recommendations. Leverage the previous runs to understand how the organization has evolved over time.

- ✓ Critical configuration checks, to identify potential performance issues.
- ✓ Identify metadata drift happening in your organization and quickly identify unwanted / unused assets.
- ✓ Relevant best practice / performance recommendations based on the metadata configurations

On-demand Health Check

Periodic assessment of your organization.

Assess multi-point health checks for performance and best practice.

Insights on how to mitigate issues based on health checks

Summary

Maintenance (2) Best Practice (11) Performance (6) 10 ✓ 9 ✗

Checks (19)

Name	Recommendations	Category	Type	Status
Unused Connections	There are 37 connection(s) which were not used in the last 30 days. Please clean up if they are not needed.	Maintenance	Connection	✗
Unused Tasks	There are 211 task(s) that has not been executed/used in last 30 days. It's a best practice to clean up all the unnecessary tasks.	Maintenance	Task	✗
Users without groups	There are 14 users who are not part of user groups. As a best practice it's recommended to associate users to groups.	Best Practice	User	✗
Mappings not associated to any tasks	There are 178 mappings which are not used as part of tasks. As a best practice it is recommended to not have any unused mappings as it could lead to potential issues during upgrade / migration.	Best Practice	Mapping	✗
Invalid Tasks	There are no invalid tasks found.	Best Practice	Task	✓
Invalid Taskflows	There are 1 invalid task flows found. As a best practice it's better to ensure either the task flows are valid or deleted so that there are no problems during execution/upgrade issues.	Best Practice	Taskflow	✗
Invalid Mappings	There are 12 invalid mappings found. Invalid mappings will lead to errors when used as part of task(s) or could lead issue during export/import operations	Best Practice	Mapping	✗
Invalid Network Timeout Period Configurations	There are 1 invalid network timeout period configurations found for 3 agent(s). Invalid configurations can lead to performance issues.	Performance	Runtime Environ...	✗
Invalid Network Retry Interval Configurations	There are 1 invalid network network retry interval configurations found for 2 agent(s). Invalid configurations can lead to performance issues.	Performance	Runtime Environ...	✗
Invalid My_SQL_JDBC_DRIVER_JARNAME Co...	There are no invalid JDBC Driver Jarname configurations found.	Performance	Runtime Environ...	✓
Invalid INFA Memory Configurations	There are no invalid Infa Memory configuration(s) found.	Performance	Runtime Environ...	✓

Agent Properties (2)

Service Name	Property Name	Property Value	Runtime Environment	Agent Name	Recommendation
Data Integration Server	NetworkRetryInterval	13	SAG_Merlin	SA_ip-10-137-6-108.us-wes...	Please set the value of NetworkRetryInterval between 5-10 seconds.
Data Integration Server	NetworkRetryInterval	2	morphtest610	morphtest610	Please set the value of NetworkRetryInterval between 5-10 seconds.

Best Practice & Governance

- ✓ **Naming Convention** provides insights into the how well it has been adopted in an organization based on user defined patterns.
- ✓ **Compare / Synchronize Secure Agent** configurations across organization to ensure all the agents are configured alike so that task execution exhibit similar behavior or use this to setup a new secure agent by quickly synchronizing properties from another agent.
- ✓ **Identify inactive users** in your organization for x days who can then be removed as part of admin change management.

Naming Convention

Naming Convention

Customize Rules for Naming | X

Identify naming violations based on defined patterns

- ▼ Assets (8)
 - Folder (19/19)
 - Project (21/21)
 - Task (250/413)
 - Task Flow (16/46)
 - Scheduler (6/6)
 - Secure Agent (2/3)
 - Secure Agent Group (8/10)
 - Connectors (50/50)

Details (250)

Task pattern - `*Tsk_(.*)*$`

X 250 violation(s) found

Task Name	Task Created On	Task Updated On
Mt_Task_run_Hist_1	Sep 18, 2019 2:04 AM	May 31, 2020 11:19 PM
taskflow_florence_daily_summary_load	Dec 11, 2018 11:12 PM	May 28, 2020 1:45 AM
TF_CAL_Summary_Data_Load	Feb 1, 2019 4:53 AM	Jul 24, 2020 6:17 AM
zz_mt_Merlin_IICS_User_Login_Details_Bulk	Jul 13, 2020 5:27 PM	Jul 15, 2020 11:10 PM
zz_mt_Merlin_IICS_User_Login_Details	Jul 13, 2020 5:11 PM	Jan 19, 2021 11:31 PM
zz_mt_Merlin_Task_Last_Run_Upd	Jul 13, 2020 8:58 PM	Jul 21, 2020 7:51 AM
zz_mt_Merlin_IOD_Log_Entry_AWS_USA_IICS_APP1	Jul 13, 2020 4:08 PM	Feb 13, 2021 8:03 AM
zz_mt_Merlin_Task_Run_Hist_POD1_IICS_App1_Bulk	Jul 13, 2020 7:51 PM	Jul 16, 2020 5:45 PM
mt_Merlin_IOD_Log_Entry_AWS_USA_IICS_APP1	Jul 14, 2020 6:58 PM	Feb 13, 2021 8:03 AM
mt_Merlin_IOD_Log_Entry_Item_AWS_USA_IICS_APP1	Jul 13, 2020 4:38 PM	Jul 15, 2020 4:19 PM

1 - 10 of 250

< 1 of 25 >

Items Per Page: 10 ▼

Secure Agent Configuration Compare

Compare two secure agent's configurations and if needed synchronize them.

Selected Agents - ip-10-137-6-82.us-west-2.compute.internal | SA_ip-10-137-6-100.us-west-2.compute.internal

- ▼ Categories(8)
 - General Agent Detail
 - ▼ B2B Processor
 - Status Config
 - Engine Config
 - ▼ CIH Processor
 - Status Config
 - Engine Config
 - ▼ Common Integration Components
 - Status Config
 - Engine Config
 - ▼ Data Integration Server
 - Status Config
 - Engine Config
 - ▼ File Integration Service
 - Status Config
 - Engine Config
 - ▼ Mass Ingestion
 - Status Config
 - Engine Config
 - ▼ Process Server
 - Status Config
 - Engine Config

Engine Config

 Show Differences

Property	Type	ip-10-137-6-82.us-west-2.compute.int...	SA_ip-10-137-6-100.us-west-2.compu...
ExitOnAgentError	PMRDTM_CFG	'No'	'No'
SfdcProxyFile	PMRDTM_CFG	'../proxy.ini'	'../proxy.ini'
CommitOnlyAtEnd	PMRDTM_CFG	'true'	'true'
OptimizeAuroraRead	PMRDTM_CFG	'Yes'	'Yes'
OptimizeAuroraWrite	PMRDTM_CFG	'Yes'	'Yes'
DD_CLOSED_ORACLE_DRIVER	PMRDTM_CFG	'DataDirect CLOSED 8.0 Oracle Wire Pro...	'DataDirect CLOSED 8.0 Oracle Wire Pro...
DD_CLOSED_SQLSERVER_DRIVER	PMRDTM_CFG	'DataDirect CLOSED 8.0 SQL Server Wir...	'DataDirect CLOSED 8.0 SQL Server Wir...
MySQL_ODBC_DRIVER	PMRDTM_CFG	'MySQL ODBC 8.0 Unicode Driver'	'MySQL ODBC 8.0 Unicode Driver'
OptimizeMySQLRead	PMRDTM_CFG	'Yes'	'Yes'
OptimizeMySQLWrite	PMRDTM_CFG	'No'	'No'

61 - 70 of 101 < 7 of 11 > Items Per Page: 10 ▼

Dashboard

Bird's eye view of all features in Assurance Pack

Dashboard

Replicated Assets [View All](#)

Users	Mappings
3	67
Schedules	Task
16	92

User logins in last 30 days [View All](#)

Active Users	Inactive Users
6	8

Connections used in last 30 days [View All](#)

Active Connections	Inactive Connections
14	36

Naming Convention

Folder	Project	Task	Task Flow
9	21	250	16
Scheduler	Connection	Secure Agent	Secure Agent Group
6	42	2	8

[View](#)

Feature Impact for February 2021 [Details](#)

Moderate Risk

Highly Impacted Features: **0** Low Impacted Features: **1**

Health Check [View All](#)

No. of Runs	Last Ran On
107	March 31, 2021 7:42 PM

Configuration Changes in Last 30 days

Schedule	Runtime Environment	Agent	Process
1	0	0	6
Schedule Job	Connection	Mapping	Guides
0	0	180	0
Linear Taskflow	Taskflow	Tasks	AI Connection
0	13	21	1

[View Details](#)

Feature Availability

■ Available ■ Under development

Feature	CDI	CAI	Comment
Asset Replication (for upgrade and other testing needs)	■	■	
Configuration & Change Tracking	■	■	
On-demand health check	■	■	Will be available in May'21
Naming Convention	■	■	Will be available in May'21
Upgrade Impact	■	■	Will be available as part of Summer'21 R37
Secure Agent Comparison and Sync	■	■	
Anomaly detection for CDI tasks	■	NA	Will be available by end of Apr'21
Additional entities support for CAI	NA	■	TBD
Scheduled Health check	■	■	Will be available in May'21

Assurance Package Roadmap

- Anomaly detection for long running CDI tasks
- Naming convention for CAI
- Search (name and tag based) support for assets.
- Capture exact properties that changed as part of the detail's timeline. (Agent properties)

- Actionable health checks
- Test case identification for replication and upgrade scenarios
- Selective overrides when replicating entities to a target org.
- Mapping comparison across organizations.
- Tag based replication groups

APR'21



MAY'21



R37

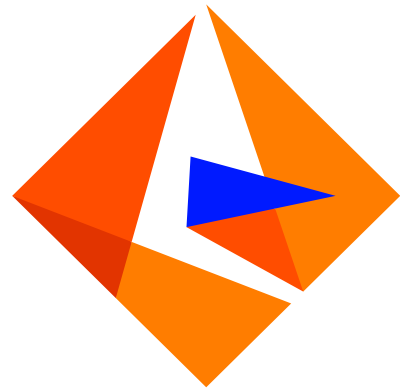


- Extending Naming convention support by projects & folders.
- Deployment (Import / Export) configuration events
- Replication support from version control (GitHub) into any of the selected organizations
- Scheduling health check runs
- CAI Health checks

Questions?



Thank you



Informatica®